
Seat Belt Use

Definition: Respondents who report they “sometimes,” “seldom,” or “never” use seat belts when driving or riding in a car.

Prevalence of Lack of Seat Belt Use

- South Dakota 18.8%
- There is no nationwide median for lack of seat belt use

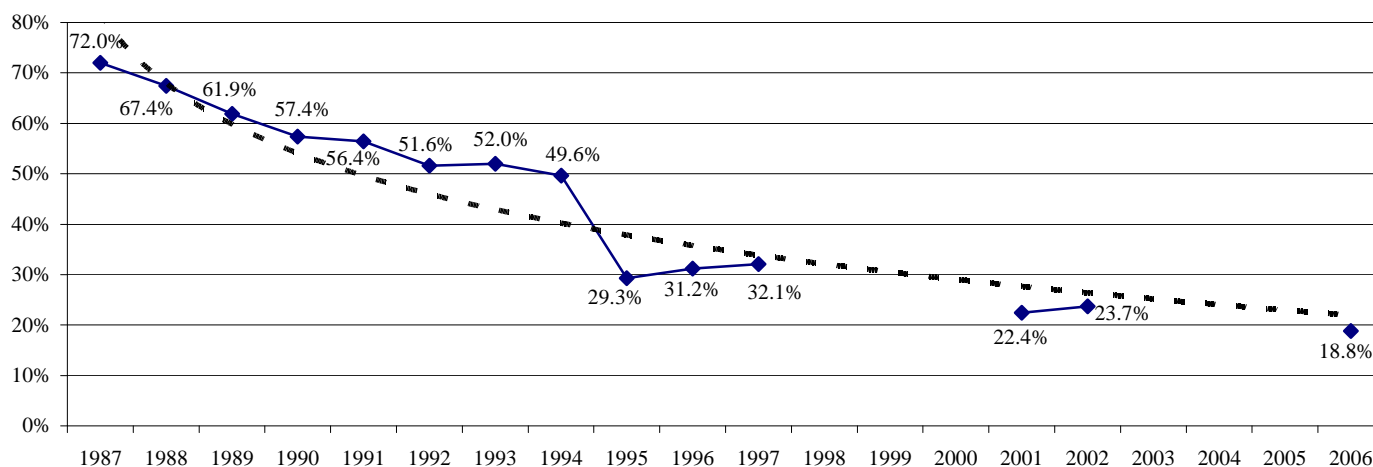
Healthy People 2010 Objective

There was no stated Healthy People 2010 Objective for lack of seatbelt use.

Trend Analysis

Overall, since this question was first asked in 1987, the percent of respondents who stated lack of seat belt use has been decreasing. In 2006 it hit an all time low of 18.8 percent.

Figure 58
Percent of Respondents Who Stated Lack of Seat Belt Use,
1987-1997, 2001-2002, and 2006



Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 1987-1997, 2001-2002, and 2006

Demographics

- Gender** Males exhibit a significantly higher prevalence of a lack of seat belt use than females. This gender difference is evident across several demographics including whites, those in the higher income groups, and those in the higher education groups.
- Age** Lack of seat belt use generally decreases as age increases. Males show a significant decrease as the 55-64 age group is reached, while females show a significant decrease much sooner as the 25-34 age group is reached.
- Race** Overall there is no racial difference observed from the available data. However, American Indian females exhibit a much higher prevalence for lack of seat belt use than white females.

Region	The southeast region demonstrates a significantly lower prevalence for the lack of seat belt use than the other four regions.
Household Income	Lack of seat belt use generally decreases as household income increases.
Education	Lack of seat belt use generally decreases as education levels increase. This includes significant decreases as the some post-high school and college graduate levels are reached. This association with education is much more evident in females.
Employment Status	Those who are self-employed, unemployed, or unable to work demonstrate a very high prevalence of a lack of seat belt use, while those who are a homemaker, or retired show a very low prevalence.
Marital Status	Those who have never been married demonstrate a very high prevalence of no seat belt use, while those who are widowed show a very low prevalence.

Table 72
Respondents Who Stated Lack of Seat Belt Use, 2006

	Total			Male			Female		
	# Resp.	%	95% CI	# Resp.	%	95% CI	# Resp.	%	95% CI
Total	6,536	18.8	(17.5-20.2)	2,535	26.0	(23.8-28.4)	4,001	12.0	(10.6-13.5)
Age									
18-24	257	27.7	(21.9-34.5)	107	33.2	(24.1-43.8)	150	22.2	(15.4-30.8)
25-34	728	20.4	(17.1-24.0)	280	29.0	(23.4-35.3)	448	11.3	(8.6-14.9)
35-44	1,025	17.4	(15.0-20.2)	412	24.0	(19.8-28.8)	613	10.8	(8.5-13.7)
45-54	1,390	20.1	(17.7-22.8)	578	29.8	(25.7-34.4)	812	10.7	(8.5-13.2)
55-64	1,144	15.7	(13.4-18.3)	485	20.1	(16.5-24.3)	659	11.1	(8.6-14.2)
65-74	931	14.5	(12.2-17.3)	353	21.9	(17.6-27.0)	578	8.3	(6.2-11.1)
75+	995	11.5	(9.4-14.1)	298	16.4	(12.2-21.5)	697	8.5	(6.4-11.3)
Race									
White	5,839	18.9	(17.5-20.4)	2,276	26.8	(24.5-29.3)	3,563	11.4	(10.0-13.0)
American Indian	503	23.3	(18.1-29.4)	180	23.4	(16.3-32.5)	323	23.1	(16.2-31.8)
Region									
Southeast	1,463	13.6	(11.4-16.1)	567	19.0	(15.3-23.3)	896	8.4	(6.3-11.0)
Northeast	1,593	23.4	(20.6-26.4)	600	33.0	(28.4-37.9)	993	14.9	(12.0-18.5)
Central	1,334	23.6	(20.7-26.9)	519	34.2	(29.2-39.5)	815	13.4	(10.5-16.9)
West	1,484	19.2	(16.6-22.2)	583	26.7	(22.2-31.7)	901	12.1	(9.4-15.5)
American Indian Counties	662	25.3	(20.6-30.7)	266	28.5	(21.2-37.1)	396	21.8	(16.2-28.7)
Household Income									
Less than \$10,000	303	20.2	(14.5-27.5)	*	*	*	*	*	*
\$10,000-\$14,999	387	23.6	(17.8-30.4)	108	34.7	(23.0-48.5)	279	18.0	(12.5-25.3)
\$15,000-\$19,999	494	20.5	(15.6-26.5)	157	26.2	(17.9-36.6)	337	16.2	(10.7-24.0)
\$20,000-\$24,999	554	23.7	(18.5-29.8)	202	32.6	(24.0-42.6)	352	15.8	(10.4-23.4)
\$25,000-\$34,999	889	20.7	(17.1-25.0)	379	30.8	(24.7-37.7)	510	10.0	(7.0-14.0)
\$35,000-\$49,999	1,117	17.5	(14.9-20.5)	480	24.4	(20.1-29.3)	637	10.3	(7.8-13.5)
\$50,000-\$74,999	1,023	17.0	(14.2-20.2)	477	23.5	(18.9-28.7)	546	9.3	(7.0-12.2)
\$75,000+	905	15.3	(12.6-18.3)	452	22.4	(18.2-27.1)	453	5.7	(3.6-8.8)
Education									
8th Grade or Less	278	20.3	(15.4-26.4)	120	23.4	(16.5-31.9)	158	17.2	(10.6-26.8)
Some High School	329	31.1	(23.9-39.3)	125	33.8	(23.6-45.7)	204	28.6	(19.0-40.5)
High School or G.E.D.	2,100	24.3	(21.7-27.2)	842	34.7	(30.4-39.3)	1,258	13.5	(10.9-16.7)
Some Post-High School	1,812	18.6	(16.1-21.3)	645	26.9	(22.4-31.9)	1,167	11.5	(9.2-14.4)
College Graduate	2,004	11.4	(9.8-13.2)	794	15.3	(12.6-18.5)	1,210	7.7	(6.0-9.7)

Table 72 (continued)
Respondents Who Stated Lack of Seat Belt Use, 2006

	Total			Male			Female		
	# Resp.	%	95% CI	# Resp.	%	95% CI	# Resp.	%	95% CI
Employment Status									
Employed for Wages	3,184	17.1	(15.4-19.0)	1,200	22.5	(19.6-25.7)	1,984	11.9	(10.1-13.8)
Self-employed	895	33.0	(29.1-37.2)	584	41.4	(36.4-46.6)	311	11.2	(7.4-16.6)
Unemployed	177	24.1	(16.0-34.4)	*	*	*	*	*	*
Homemaker	399	9.1	(6.5-12.8)	*	*	*	*	*	*
Retired	1,521	11.5	(9.8-13.5)	538	16.9	(13.7-20.7)	983	7.3	(5.7-9.3)
Unable to Work	263	22.4	(16.6-29.7)	*	*	*	*	*	*
Marital Status									
Married/Unmarried Couple	3,902	16.9	(15.4-18.4)	1,662	23.8	(21.5-26.4)	2,240	9.8	(8.4-11.4)
Divorced/Separated	852	20.3	(17.3-23.8)	330	29.8	(24.2-36.0)	522	12.9	(10.0-16.5)
Widowed	1,013	11.4	(9.4-13.9)	149	19.3	(13.2-27.4)	864	9.8	(7.8-12.3)
Never Married	748	29.3	(24.5-34.6)	386	33.2	(26.6-40.6)	362	23.7	(17.4-31.4)

Note: *Results based on sample sizes less than 100 have been suppressed.

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2006

Further Analysis

Following are data illustrating the percent of those who stated lack of seat belt use for various health behaviors and conditions. For example, 34.9 percent of respondents who stated they are dissatisfied or very dissatisfied with life stated lack of seat belt use, while 18.2 percent of respondents who stated they are satisfied or very satisfied with life stated lack of seat belt use.

Table 73
Lack of Seat Belt Use for Selected Health Behaviors and Conditions, 2006

Health Behavior or Condition	# Respondents	% Lack of Seat Belt Use	95% CI
Obese (BMI = 30.0+)	1,661	22.3	19.8-25.0
Overweight (BMI = 25.0-29.9)	2,398	18.8	16.8-21.0
Recommended Weight (BMI = 18.5-24.9)	2,052	16.5	14.0-19.3
No Leisure Time Physical Activity	1,706	28.8	25.7-32.1
Leisure Time Physical Activity	4,824	15.7	14.3-17.2
Not Heard of "Healthy South Dakota" Program	3,890	21.4	19.6-23.2
Heard of "Healthy South Dakota" Program	2,414	14.7	12.7-17.0
Current Smoker	1,227	29.0	25.3-33.1
Former Smoker	1,800	17.7	15.4-20.3
Never Smoked	3,495	15.5	13.9-17.2
Smokeless Tobacco Use	301	40.4	33.1-48.2
No Smokeless Tobacco Use	6,121	17.4	16.1-18.9
Diabetes	593	17.7	14.4-21.6
No Diabetes	5,941	18.9	17.5-20.4
Current Asthma	477	17.4	13.3-22.3
Former Asthma	171	17.7	11.2-26.8
Never Had Asthma	5,854	19.0	17.5-20.5
No Mammogram within Past Two Years (40+)	778	16.6	13.8-19.8
Mammogram within Past Two Years (40+)	2,262	7.7	6.5-9.0
No Clinical Breast Exam within Past Two Years	863	17.0	13.7-20.9
Clinical Breast Exam within Past Two Years	3,084	10.7	9.2-12.5
No Pap Smear within the Past Three Years	508	18.5	14.0-24.0
Pap Smear within the Past Three Years	2,382	11.7	9.9-13.7
No PSA Test within the Past Two Years (40+)	798	27.0	23.7-30.7
PSA Test within the Past Two Years (40+)	1,058	20.0	17.3-22.9

Table 73 (continued)
Lack of Seat Belt Use for Selected Health Behaviors and Conditions, 2006

Health Behavior or Condition	# Respondents	% Lack of Seat Belt Use	95% CI
No Digital Rectal Exam within the Past Two Years (40+)	846	27.0	23.8-30.5
Digital Rectal Exam within the Past Two Years (40+)	1,074	19.2	16.6-22.1
Prostate Cancer (40+)	102	16.2	9.9-25.4
No Prostate Cancer (40+)	1,837	23.1	21.0-25.4
No Blood Stool Test within the Past Two Years (50+)	2,803	17.7	16.1-19.5
Blood Stool Test within the Past Two Years (50+)	867	9.1	7.1-11.5
Never Had a Sigmoidoscopy or Colonoscopy (50+)	1,643	19.5	17.3-21.9
Ever Had a Sigmoidoscopy or Colonoscopy (50+)	2,071	12.3	10.8-14.1
Diagnosed with Cancer in the Past 12 Months	154	16.8	11.0-24.8
Not Diagnosed with Cancer in the Past 12 Months	6,225	18.8	17.5-20.3
Drank Alcohol in Past 30 Days	3,341	21.2	19.3-23.2
No Alcohol in Past 30 Days	3,183	15.9	14.2-17.8
Binge Drinker	862	31.7	27.4-36.4
Not a Binge Drinker	5,524	16.0	14.7-17.4
Heavy Drinker	205	41.8	33.0-51.2
Not a Heavy Drinker	6,169	17.8	16.5-19.2
No Health Insurance (18-64)	403	30.8	24.3-38.1
Health Insurance (18-64)	4,036	18.9	17.3-20.6
Employer Based Health Insurance Coverage (18-64)	2,716	15.6	13.9-17.5
Private Health Insurance Plan (18-64)	570	31.6	26.7-37.0
Medicare (18-64)	125	24.8	16.8-35.0
Medicaid or Medical Assistance (18-64)	169	29.4	19.6-41.5
The Military, CHAMPUS, TriCare, or the VA (18-64)	175	12.0	7.7-18.4
The Indian Health Service (18-64)	225	24.7	17.5-33.6
No Flu Shot (65+)	512	20.5	16.7-25.0
Flu Shot (65+)	1,409	10.4	8.7-12.3
No Pneumonia Shot (65+)	640	16.2	13.1-19.8
Pneumonia Shot (65+)	1,224	11.1	9.3-13.3
Haven't Been to the Dentist in the Past Year	2,098	24.9	22.3-27.8
Been to the Dentist in the Past Year	4,415	16.0	14.5-17.6
Not Taking any Precautions Against West Nile Virus	2,745	23.2	21.0-25.5
Taking Precautions Against West Nile Virus	3,633	15.2	13.6-17.0
Previously Had a Heart Attack	445	19.8	15.9-24.4
Never Had a Heart Attack	6,067	18.8	17.4-20.2
Have Angina or Coronary Heart Disease	383	16.8	12.9-21.6
Do Not have Angina or Coronary Heart Disease	6,099	18.9	17.5-20.4
Previously Had a Stroke	243	19.2	14.1-25.7
Never Had a Stroke	6,287	18.8	17.5-20.3
Fair or Poor Health Status	981	24.5	20.8-28.5
Excellent, Very Good, or Good Health Status	5,534	18.0	16.6-19.5
Physical Health Not Good for 30 Days of the Past 30	421	17.7	13.7-22.6
Physical Health Not Good for 0-29 Days of the Past 30	5,995	18.9	17.5-20.3
Mental Health Not Good for 20-30 Days of the Past 30	348	25.9	19.4-33.8
Mental Health Not Good for 0-19 Days of the Past 30	6,093	18.4	17.1-19.9
Usual Activities Unattainable for 10-30 Days of the Past 30	446	23.4	18.3-29.4
Usual Activities Unattainable for 0-9 Days of the Past 30	6,029	18.5	17.1-19.9
Dissatisfied / Very Dissatisfied with Life	235	34.9	27.4-43.3
Satisfied / Very Satisfied with Life	6,195	18.2	16.9-19.6
Physical, Mental, or Emotional Disability	1,509	21.4	18.6-24.5
No Physical, Mental, or Emotional Disability	5,006	18.2	16.7-19.8

Table 73 (continued) Lack of Seat Belt Use for Selected Health Behaviors and Conditions, 2006			
Health Behavior or Condition	# Respondents	% Lack of Seat Belt Use	95% CI
Disability with Special Equipment Needed	525	16.3	12.8-20.7
No Disability with Special Equipment Needed	6,008	19.0	17.6-20.4
Injured in a Fall (45+)	233	17.8	12.9-24.1
Not Injured in a Fall (45+)	4,266	16.1	14.8-17.5
Never Been Tested for HIV (18-64)	3,548	21.3	19.4-23.3
Been Tested for HIV (18-64)	898	16.5	13.5-19.9
Military Veteran	987	20.5	17.3-24.1
Not a Military Veteran	5,545	18.5	17.1-20.1

Source: The Behavioral Risk Factor Surveillance System, South Dakota Department of Health, 2006